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**From:** Anderson, Steve [Anderson.Steve@epa.gov]  
**Sent:** 9/12/2019 1:06:58 PM  
**To:** Scarano, Louis [Scarano.Louis@epa.gov]; Nguyen, Amelia [nguyen.amelia@epa.gov]; Pfahles-Hutchens, Andrea [Pfahles-Hutchens.Andrea@epa.gov]; Branch, Francesca [branch.francesca@epa.gov]; Sasidharan, Abhilash [sasidharan.abhilash@epa.gov]; Courtnage, Robert [Courtnage.Robert@EPA.GOV]; Carmichael, Lea [Carmichael.Lea@epa.gov]; Silagi, William [Silagi.William@epa.gov]; Winchester, Erik [Winchester.Erik@epa.gov]; Lee, Mari [Lee.Mari@epa.gov]; Jon, Jay [Jon.Jay@epa.gov]; Austin, Sharon [Austin.Sharon@epa.gov]; Cybulski, Walter [Cybulski.Walter@epa.gov]; Bateson, Thomas [Bateson.Thomas@epa.gov]; Kopylev, Leonid [Kopylev.Leonid@epa.gov]; Mottl, Nathan [Mottl.Nathan@epa.gov]; Sumner, Mitchell [sumner.mitchell@epa.gov]; Vuilleumier, Kevin [vuilleumier.kevin@epa.gov]  
**CC:** Jewett, Freeborn [Jewett.Freeborn@epa.gov]; Lavoie, Emma [Lavoie.Emma@epa.gov]; Salazar, Keith [Salazar.Keith@epa.gov]; Tiwari, Ritesh [tiwari.ritesh@epa.gov]  
**Subject:** RE: Asbestos RE and Associated Documents for your Review  
**Attachments:** TSCA OLRC July 2016 - RE-related sections clean.pdf; TSCA OLRC July 2016 clean.pdf

Yes, I'm attaching two versions of the statute. The first, shorter one is the sections of primary interest to you for the risk evaluation: section 3 [definitions]; section 6 [prioritization, risk evaluation, and risk management]; and section 26 [scientific standards, reasonably available information, and several other things].

I'm also attaching a complete version of the statute. One note of caution though – here at EPA we usually refer to statutory sections one way [like TSCA section 6] but this doc has a different citing method that I didn't translate into our customary references. So, for example, TSCA section 6 is instead 15 USC 2605; USC refers to United States Code, which is basically the analogue of the CFR but for statutes. If that's all confusing to you, just stick to the shorter version where I added our customary references in red.

Steve Anderson | 202.564.3137  
Attorney-Advisor | Pesticides and Toxic Substances Law Office  
U.S. EPA Office of General Counsel | anderson.steve@epa.gov

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**From:** Scarano, Louis <Scarano.Louis@epa.gov>  
**Sent:** Wednesday, September 11, 2019 3:12 PM  
**To:** Nguyen, Amelia <nguyen.amelia@epa.gov>; Pfahles-Hutchens, Andrea <Pfahles-Hutchens.Andrea@epa.gov>; Branch, Francesca <branch.francesca@epa.gov>; Sasidharan, Abhilash <sasidharan.abhilash@epa.gov>; Courtnage, Robert <Courtnage.Robert@EPA.GOV>; Carmichael, Lea <Carmichael.Lea@epa.gov>; Silagi, William <Silagi.William@epa.gov>; Winchester, Erik <Winchester.Erik@epa.gov>; Lee, Mari <Lee.Mari@epa.gov>; Jon, Jay <Jon.Jay@epa.gov>; Austin, Sharon <Austin.Sharon@epa.gov>; Cybulski, Walter <Cybulski.Walter@epa.gov>; Bateson, Thomas <Bateson.Thomas@epa.gov>; Kopylev, Leonid <Kopylev.Leonid@epa.gov>; Mottl, Nathan <Mottl.Nathan@epa.gov>; Anderson, Steve <Anderson.Steve@epa.gov>; Sumner, Mitchell <sumner.mitchell@epa.gov>; Vuilleumier, Kevin <vuilleumier.kevin@epa.gov>  
**Cc:** Jewett, Freeborn <Jewett.Freeborn@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Salazar, Keith <Salazar.Keith@epa.gov>; Tiwari, Ritesh <tiwari.ritesh@epa.gov>  
**Subject:** RE: Asbestos RE and Associated Documents for your Review

All:

Here are the risk evaluation rule and our wonderful law (see Section 26[h]).

(Steve Anderson- do you have a better version of the law)

Regards,

Louis (Gino) Scarano, PhD  
Senior Science Advisor  
US EPA  
Office of Chemical Safety and Pollution Prevention (OCSPP)  
Office of Pollution Prevention and Toxics (OPPT)  
Risk Assessment Division (RAD)  
1200 Pennsylvania Ave, NW (Mail Code 7403M)  
Washington, DC 20460  
Desk Phone: 202-564-2851  
Mobile: 202-340-5726  
Fax: 202-564-7450

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**From:** Nguyen, Amelia <nguyen.amelia@epa.gov>

**Sent:** Wednesday, September 11, 2019 3:05 PM

**To:** Scarano, Louis <Scarano.Louis@epa.gov>; Pfahles-Hutchens, Andrea <Pfahles-Hutchens.Andrea@epa.gov>; Branch, Francesca <branch.francesca@epa.gov>; Sasidharan, Abhilash <sasidharan.abhilash@epa.gov>; Courtnage, Robert <Courtnage.Robert@EPA.GOV>; Carmichael, Lea <Carmichael.Lea@epa.gov>; Silagi, William <Silagi.William@epa.gov>; Winchester, Erik <Winchester.Erik@epa.gov>; Lee, Mari <Lee.Mari@epa.gov>; Jon, Jay <Jon.Jay@epa.gov>; Austin, Sharon <Austin.Sharon@epa.gov>; Cybulski, Walter <Cybulski.Walter@epa.gov>; Bateson, Thomas <Bateson.Thomas@epa.gov>; Kopylev, Leonid <Kopylev.Leonid@epa.gov>; Mottl, Nathan <Mottl.Nathan@epa.gov>; Anderson, Steve <Anderson.Steve@epa.gov>; Sumner, Mitchell <sumner.mitchell@epa.gov>; Vuilleumier, Kevin <vuilleumier.kevin@epa.gov>

**Cc:** Jewett, Freeborn <Jewett.Freeborn@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Salazar, Keith <Salazar.Keith@epa.gov>; Tiwari, Ritesh <tiwari.ritesh@epa.gov>

**Subject:** RE: Asbestos RE and Associated Documents for your Review

As we discussed during our asbestos meeting today, attached is a slide deck on risk characterization and risk determination that Stan presented during the PV 29 peer review meeting.

Sincerely,  
Amelia

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Amelia Nguyen, Ph.D.  
Biologist  
Office of Pollution Prevention and Toxics (OPPT)  
Risk Assessment Division (RAD)  
1200 Pennsylvania Ave, NW (Mail Code 7403M), Washington, DC 20460  
WJC East 6221E, 202-564-4268, [nguyen.amelia@epa.gov](mailto:nguyen.amelia@epa.gov)

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**From:** Scarano, Louis <Scarano.Louis@epa.gov>

**Sent:** Monday, September 09, 2019 7:48 AM

**To:** Pfahles-Hutchens, Andrea <Pfahles-Hutchens.Andrea@epa.gov>; Branch, Francesca <branch.francesca@epa.gov>; Sasidharan, Abhilash <sasidharan.abhilash@epa.gov>; Courtnage, Robert <Courtnage.Robert@EPA.GOV>; Carmichael, Lea <Carmichael.Lea@epa.gov>; Silagi, William <Silagi.William@epa.gov>; Winchester, Erik <Winchester.Erik@epa.gov>; Nguyen, Amelia <nguyen.amelia@epa.gov>; Lee, Mari <Lee.Mari@epa.gov>; Jon, Jay <Jon.Jay@epa.gov>; Austin, Sharon <Austin.Sharon@epa.gov>; Cybulski, Walter <Cybulski.Walter@epa.gov>; Bateson, Thomas <Bateson.Thomas@epa.gov>; Kopylev, Leonid <Kopylev.Leonid@epa.gov>; Mottl, Nathan <Mottl.Nathan@epa.gov>; Anderson, Steve <Anderson.Steve@epa.gov>; Sumner, Mitchell <sumner.mitchell@epa.gov>; Vuilleumier, Kevin <vuilleumier.kevin@epa.gov>

**Cc:** Jewett, Freeborn <Jewett.Freeborn@epa.gov>; Lavoie, Emma <Lavoie.Emma@epa.gov>; Salazar, Keith <Salazar.Keith@epa.gov>; Tiwari, Ritesh <tiwari.ritesh@epa.gov>

**Subject:** FW: Asbestos RE and Associated Documents for your Review



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- **Ex. 5 Deliberative Process (DP)**

Management/Decision Questions (see OGC document, too):

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- **Ex. 5 Deliberative Process (DP)**
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Other Technical Issues/Questions:

- Occupational exposure  
**Ex. 5 Deliberative Process (DP)**

- Consumer/DIY  
**Ex. 5 Deliberative Process (DP)**

- Other
  - **Ex. 5 Deliberative Process (DP)**

Regards,

Andrea and Gino